

## ABSTRACT OF THE DISCLOSURE

A method for measuring a light flux backscattered by a dispersed medium located on one first side of a wall, by interaction with a plurality of light rays emitted from the second opposite side of the wall where the dispersed medium is located and towards the latter, the plurality of light rays being adapted to pass through the wall and being backscattered at least partly by the dispersed medium towards reception elements arranged on the second side of the wall. The method includes: emitting the plurality of light rays towards the dispersed medium and through the wall so as to form a backscattering spot having a central disc whose center corresponds to the luminous barycenter of the spot and whose radius is equal to four times the maximum free travel path ( $l_{\text{max}}$ ) of the dispersed medium.